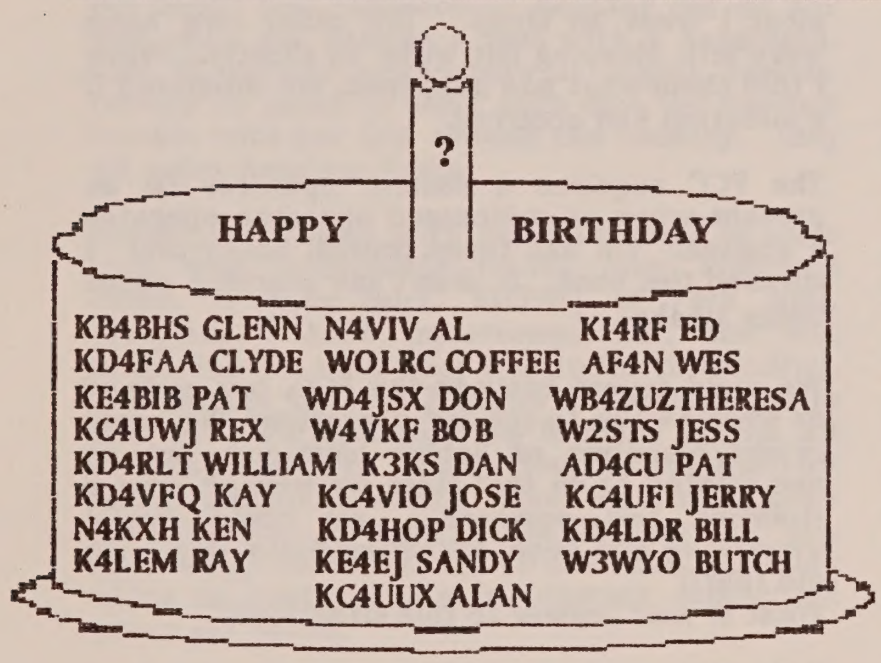
TARC NEWSLETTER

TITUSVILLE AMATEUR RADIO CLUB

DECEMBER, 1993

OFFICERS

President: Bud Hughes K4CWG 269-0779 Secretary: Jerry Russell KC4UFI 267-2157
VicePresident: Cliff Hoag KC4SYD 267-7030 Treasurer: Clyde Lee K4EOS 267-9375


HAPPY
BIRTHDAY
KB4BHS GLENN N4VIV AL KI4RF ED
KD4FAA CLYDE WOLRC COFFEE AF4N WES
KE4BIB PAT WD4JSX DON WB4ZUZTHERESA
KC4UWJ REX W4VKF BOB W2STS JESS
KD4RLT WILLIAM K3KS DAN AD4CU PAT
KD4VFQ KAY KC4VIO JOSE KC4UFI JERRY
N4KXH KEN KD4HOP DICK KD4LDR BILL
K4LEM RAY KE4EJ SANDY W3WYO BUTCH
KC4UUX ALAN

>The TARC Christmas party was enjoyed by all. To Pike and Clara, hugs and kisses to the both of you.
>We made our first showing at the Daytona fox hunt (Les K4SJC, Tom AD4NA, Bill WA4DXE, Ken KD4HNW). We did not bring home the trophy, but we certainly had lots of fun - thanks to the Daytona gang. We gotta do that again!
>There will not be a scheduled W5YI-VEC monthly test session this month but if you know of anyone who would like to take any of the exams please let me know and we will try and work out a time and place.
>I hope Santa will be good to you and bring you all the goodies you want. Have a Happy New Year. Best of 73's

PRESIDENT'S CORNER

By Bud Hughes K4CWG

The year 1993 is just about to become history and we now can set our sights on a new year. A review of the year gone by brings to mind pleasant memories as well as wishing I could redo, or have another run at the way I handled some of the opportunities presented to me.
>To the out going club officers/board members a big thanks and a request for your continued support of the club's activities. We are very fortunate to have Bobbi Sue, KE4BBS as our newly elected secretary. Bobbi Sue has expressed a desire to get involved and I know she will be a great asset to the club.

1994 OFFICERS/BOARD OF DIRECTORS

President	Bud - K4CWG
Vice President	Cliff -KC4SYD
Secretary	Bobbi Sue - KE4BBS
Treasurer	Clyde - K4EOS
Repeater Custodians	Dave - WB4SIG
	Les - K4SJC
	Jerry - KC4UFI
	Larry - WB4MFJ
	Archie - WN3DHI
Former President:	Bob - W4VQB
Elected to Board:	Les - K4BZJ
	Tom - AD4NA
	Jose - KC4VIO

WHAT SHOULD WE DO?

By: K4BZJ

It was Saturday on the fourth weekend in June, 1978. The Titusville Amateur Radio Club was busy spending the morning getting everything ready for their Field Day at Draa Field, an outstanding site for Field Day. We used the press box for two or three operating positions and one or two others could be operated from a tent or other facility at ground level.

We had borrowed the motor home from the sheriff's department and had the use of its Onan 6.5 kilowatt generator. We were running two stations, ten meters and forty meter CW, from within the RV.

The sun was bright as the temperature climbed into the high eighties early in the day. It was a normal June day with puffy clouds across the sky. At least twenty members showed up in the morning to put up antennas and run power and coax to all operating stations.

Draa Field is a great place for Field Day because the bleachers are about 30 feet above ground level, the press box has lights and power for fans, but the greatest assets are the three 70' concrete poles that hold the field lighting. They have steel pegs for climbing which can be used to secure each end of your dipoles. No problem to have a dipole 60' above ground level with a small sag in the center. I even found myself at the sixty foot level on this Field Day.

After the contest started, all stations were doing reasonably well. We had a tri-band beam thirty feet above the bleachers for 15 and 20 meters, the forty meter dipole at 60' on the poles and we had a 75 meter dipole stretched across the football field and anchored up in the bleachers. About 6 PM a small rain shower came and you could see lightning flashing throughout the area. When one bolt hit nearby, a spark jumped from the center conductor of the 75 meter coax to the metal frame of the press box. It took almost a minute before anyone was brave enough to flip that coax out and down in the bleacher seats. No more problems.

Later in the evening as the operators thinned out, I went down to the ten meter station in the motor home. There were two hams that had been operating on ten and there also was a 40 meter CW operator. In addition, an unlicensed YL, the girlfriend of one of the hams, was logging. I'll call her Betty - not her real name. I sat down and started making contacts by calling CQ. This went on until about 12:30 AM when ten seemed to drop out. Betty had been logging and we had made approximately 135 contacts. I told Betty that I was going to get some sleep since it had been a long day.

I fell asleep immediately and slept until 2:30 AM. Wiping the sleep from my eyes, I saw that Betty was still sitting at the ten meter radio. She said, "Les, after you went to sleep, I was tuning the band and ten came back in. I have made almost 50 contacts." I was shocked! Betty had been around ham radio for over a year and had even been on the transmitter earlier in the evening, so she was no stranger to operating.

I looked at the log sheets and sure enough, there were a lot of entries that were made after I went to sleep. The other two hams were still sleeping but woke up shortly. When I told them what had happened, we wondered if a violation had occurred.

The FCC requires a control operator to be present when an unlicensed operator operates a station. We had three control operators! I checked the book. It didn't say anything about being awake.

We could report Betty to the FCC, but none of us were awake to see her operating. We could report ourselves or Betty's boyfriend, but no one wanted to do that since we weren't sure a violation had occurred. We could forget everything and keep operating Field Day. We did that!!
What is your answer to this situation?

P.S. Did we count Betty's contacts when we turned in our report? I don't remember. I do know that we made more than 800 contacts that year, and more than 400 were on ten meters.

LEAGUE LINES

From December, 1993 QSL

In September the ARRL DXCC Desk received 1330 applications (95,212 QSL cards) for endorsements and new DXCC awards, the largest number of QSLs received in a single month since September 1990. The turnaround time for DXCC award processing measured in weeks a couple of years ago, has now been reduced to a matter of hours with completion of the DXCC Branch's computerization.

YLs ON THE ROAD & ON THE AIR
By Connie Dunn KB5LES (12/93 QSL)

"The radio in the car goes dit-dit-dit, dit-dit-dit, dit-dit-dit. The radio in the car goes dit-dit-dit, all around the country," sings my six year old daughter, Erin. With more women entering the Amateur Radio ranks, and more families using ham radio as they travel, more children are growing up mimicking their moms and dads. I rarely go to the grocery store without my radio. Communicating between cars or between car and home seems natural - until I need to communicate with a nonham. For me, traveling without ham radio is like forgetting to put on my glasses in the morning.

Many YLs now praise the freedom that ham radio gives them. Worried about having car trouble, many limited their travel before becoming licensed. One YL enjoys nature walks, but didn't feel comfortable heading out on her own until she became a ham with a hand-held. One YL throws newspapers at night; another travels 50 miles to work each day; yet another travels with her OM around the country. They all enjoy Amateur Radio.

Among the women with Amateur Radio in their cars who confidently travel long distances alone, is Ruby Hurt, KD3WQ of Park Hall, Maryland. As I interviewed her, she was preparing for a six hour trip to North Carolina. She carries HF and 2 meter FM equipment in her car. "I'll talk with my husband almost all the way,"she says. "Every hour on the hour we have a schedule (on HF). When my friends know I'm traveling by myself, they'll also call me. And I keep the VHF tuned to different repeaters along my route, so I'm in constant contact. I never get bored."

Ruby is Net Control on Thursdays for the YL net for the Amateur Radio Club of the Family Motor Coach Association, which meets daily at 1830Z on 14.263 MHz. The men meet on the same frequency at 1900Z and the group also has an AMTOR net at 1730Z on 14.096 MHz. And when Ruby is traveling, she runs the net mobile. "We encourage women to get on the net, even if they aren't licensed. They can get their OMs to be control operator. We find it encourages them to get a license or to upgrade, so they can get on."

Last year Ruby was president of the Amateur Radio Club of FMCA, which has some 400 members nationally. Each family gets one membership, so there are more people on the roster. The club usually has two rallies each year, which coincide with the FMCA's conventions in the spring and summer.

At the last rally "there were 57 coaches, all ham operators, in one campground. Out of the 57 coaches, there were about 90 hams." she explains. The rally was held from Wednesday to Sunday. On the final day the motor coaches caravaned to the FMCA's national convention in Blacksburg, Virginia.

The rallies feature breakfasts, get-acquainted teas for the ladies, show and tell sessions, golf, shopping, and seminars on a variety of subjects such as packet radio and fast-scan TV. Ruby says the most important part is that "it's fun to meet the people. You might talk with them on the radio, but it's nice to get together for an eyeball (eyelash) QSO."

Operating mobile comes in many different packages, whether you operate in the car, by motor coach, or, as one newly married newcomer to Amateur Radio has been operating, by yacht. Daniela Gronack-Tacke, KD4VDL, is sailing around the world, fulfilling her childhood dream. After earning a degree in naval architecture at Southampton, UK, she met Joerge Tacke, KD4VDK, who was also a sailor. They married, sold most of their belongings, and found a 35 year old, 50 foot yacht in Sarasota, Florida.

At first, neither of the young German newlyweds were licensed Amateur Radio operators. Then, they met Max, W4PAD and Maxine Conn (also of Sarasota) soon after arriving in the US. After chatting a bit about Germany and a trip the Conns' had taken there, the topic quickly turned to Amateur Radio. Joerge and Daniela were willing students. They could see that ham radio was going to be a necessity aboard the Josephine (their yacht.) Max nurtured them through getting their licenses. Maxine nourished them on a somewhat regular basis with her baking and cooking and an introduction to an American Thanksgiving dinner.

Because the Josephine was not ready for an ocean voyage, Daniela and Joerge had to spend time preparing the boat. Daniela says, "Max and Maxine basically adopted us as their children. They always believed in our project and in us, just like a real family would do. When the boat was finally ready, we knew we would have to say good-bye. But knowing that we would be able to talk .....see page 4

from page 3.....to them in Sarasota whenever we wanted was reassuring. Max had also introduced us to a number of other hams, including Phyllis, KA1JC; Trudy, IP6QM; Doc, K9JJR; and Chuck, W1BIS. We have regular contact with them through the Butterfly DX Net on 14.226.5MHz.

>"This group showed us what fun ham radio can be as a hobby." We have truly experienced a good part of the ham radio spirit!" says Daniela.

FCC PLANS INSTANT ON-THE AIR PRIVILEGES

From December, 1993 QSL

The FCC has proposed temporary operating authority to unlicensed people who pass the examination for a new amateur operator license. The temporary operating authority would begin when the exam is passed and an application for a license is filed, and last until a full term license is received from the FCC (not more than 120 days) The temporary operating authority wouldn't be available to anyone whose license has been revoked or suspended or who has been involved in other enforcement proceedings before the FCC. Under the proposal, the Commission would also reserve the right to cancel such temporary operating authority without a hearing if a need to do so arose.

>People operating under the proposed new rules would use call signs determined by the initials of their names and by their mailing addresses. The prefix for each such call sign would be WZ, followed by a number indicating the appropriate Volunteer Examiner Coordinator (VEC) region. The Commission said it believes this system "would be useful to the amateur community, yet practical to implement." The FCC also said it was making the proposal "to better serve new amateurs and to increase productivity in the processing of license application."

>The proposal, assigned PR Docket 93-267, was based on a petition made in July by the Western Carolina ARS (WCARS) VEC of Knoxville, Tennessee (RM-8288) The WCARS-VEC aired its proposal at the Nationl Conference of VECs in June. At press time, only the FCC news release, not the actual text of the Notice of Proposed Rule Making (NPRM) was available.

>In July, the ARRL Board of Directors said that the Commission's ongoing program to implement electronic filing of amateur license applications was the preferred method to eliminate any perceived need for temporary operating authority. ARRL Executive Vice President David Sumner, K1ZZ, said that the League has always supported getting new amateurs on the air quickly, and has offered as much encouragement as it can to the FCC in the implementation of electronic filing, which would allow FCC staff to make the most of the limited time available for Amateur Radio license administration.

>The League believes strongly, Sumner said, that "any operating authority must stem directly from the FCC, not from some 'middleman' private entity, even though the ARRL/VEC is the largest such 'middleman'.

>"Many protections we enjoy against arbitrary local and state regulations," Sunmer said, "are the result of our being federally licensed. It would be a serious mistake to allow this federal status to be diluted in the interest of some short-term expedient."

>Sumner said that the League would respond to the FCC proposal when the full text of the NPRM is available and when League Members have had a chance to express their views on the subject to their ARRL Directors.

REPEATER TRUSTEE FINED; AWAITS OUTCOME OF APPEAL

From Marc Grant N5MEI

The FCC has issued a Notice of Apparent Liability to William A. Krause, WA2HDE, the trustee of a 220 MHz repeater in New York City. The repeater was found to be transmitting for several days in August on 243 MHz, a FAA frequency used for emergency locator transmitters.

>The FCCUs NAL called the violation willful and repeated. Krause, an engineer, said that the repeater, a 10 year old commercial unit, developed a malfunction that caused it to emit a very weak signal on 243 MHz when its transmitter was unkeyed. He said the repeater was checked out on a regular basis.

>The FCC said that the violation was minimally occurring on three days, 8/30-31, and 9/1, and that the FAA had said the unauthorized signal also had occurred on 8/ 26-29.

>The NAL was issued 9/ 30; Krause responded on 10/ 21, saying he at no time willfully transmitted on any frequency that he was not authorized for, and was shocked to hear that there was any problem at all, much less one of such a nature. Krause told the FCC that he has always made measurements of the transmitter in the transmitting mode and would never have found this problem unless pointed out (the spurious signals were present only when the repeater was in 'receive' mode.)

>Krause pointed out that this was his first offense and asked the FCC not to impose the fine.

70cm/ATV Dual 11-Element Quagi

Bandwidth: 427-447MHz - Approx 14dBd gain

by: Tom - AD4NA 11/9/93

Element	Lengths	Spacing
Ref	28-1/4"	1-1/2" ea end
DE	26-3/4"	7"
Dir 1	11-3/4"	5-1/4"
Dir 2	11-11/16"	11"
Dir 3	11-5/8"	5-7/8"
Dir 4	11-9/16"	8-3/4"
Dir 5	11-1/2"	8-3/4"
Dir 6	11-7/16"	8-3/4"
Dir 7	11-3/8"	12"
Dir 8	11-5/16"	12"
Dir 9	11-1/4"	13.625"
Total	100.875	93

BASIC PARTS:

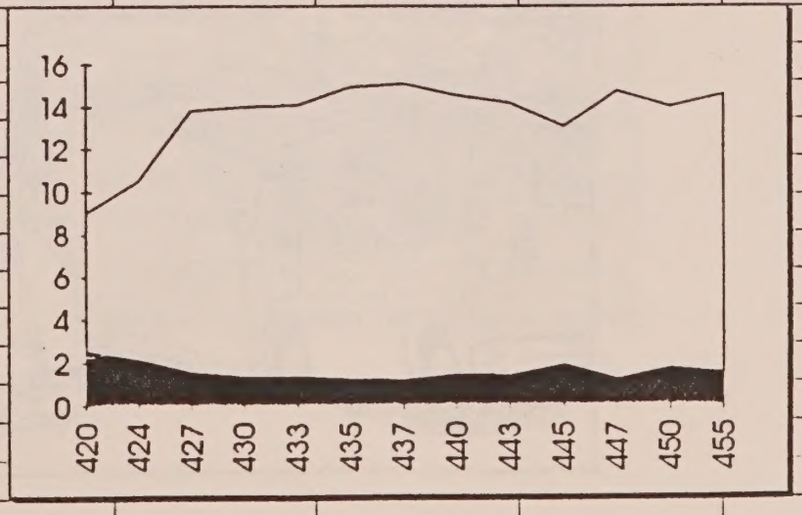
- 2 - 1"x2"x8' wooden booms
- 3 - 5/16"x3' wooden dowels
- 10 gauge solid wires
- RG-8X or better of 50-Ohm coaxial cables (odd multiples of 6.75")

NOTE: (data extracted from ARRL Handbook)

Phasing is accomplished by using 2 equal lengths, odd quater wave multiple, 50-Ohm transmission lines. The lines act as an impedance transformer and raises the feed impedance of each antenna to approx 100-Ohms. When the two are connected in parallel at the coaxial T fitting, the resulting impedance is close to 50-Ohms.

	Lo ~5-6W	Lo	Lo	Hi~15W	Hi	Hi
Freq	SWR	Power	Power FWD	Power Ref	SWR	Power	Power FWD	Power
420	2.3	2.1	3.2	1.1	2.5	6.5	8.5	2
424	1.9	3	3.8	0.8	2.1	8.4	9.8	1.4
427	1.5	3.9	4.2	0.3	1.5	12.3	12.8	0.5
430	1.3	4.4	4.6	0.2	1.3	12.7	13	0.3
433	1.35	4.4	4.5	0.1	1.3	12.8	13.3	0.5
435	1.2	4.6	4.7	0.1	1.2	13.7	14.1	0.4
437	1.1	4.9	5	0.1	1.15	13.9	14	0.1
440	1.35	4.4	4.6	0.2	1.4	13.1	13.6	0.5
443	1.35	4.5	4.7	0.2	1.35	12.8	13.3	0.5
445	1.8	3.6	4.1	0.5	1.85	11.2	12	0.8
447	1.1	4.9	5	0.1	1.2	13.5	13.8	0.3
450	1.7	3.7	4.2	0.5	1.7	12.3	13	0.7
455	1.4	4.1	4.4	0.3	1.45	13.1	13.5	0.4

SWR Curve for Low Power



SWR Curve for HI Power

TREASURER'S REPORT - YEAR TO DATE
By K4EOS, Clyde Lee

Transferred from old acct.	977.82
DEPOSITS: 50/50,ARRL,dues,donations dues,hamfests,interest,TARCFEST, loan,stu.fees,Xmas pty.,shirts	7181.53
TOTAL INCOME	8159.35
EXPENSES: ARRL.bnk.chgs,Bud loan gifts,Ins.Off.supp,PO Box,postage, printing,stu.bks tel, Xmaspty., Exam. fees,fldday, TARCFEST, hamfest,inc.fee,jc's,reptr,	6953.52
BALANCE AS AT11/30/93	1205.83
Bud's loan bal.as at 12/31/92	2333.00
Paidthrough11/30/93	1721.50
BALANCE DUE BUD	611.50

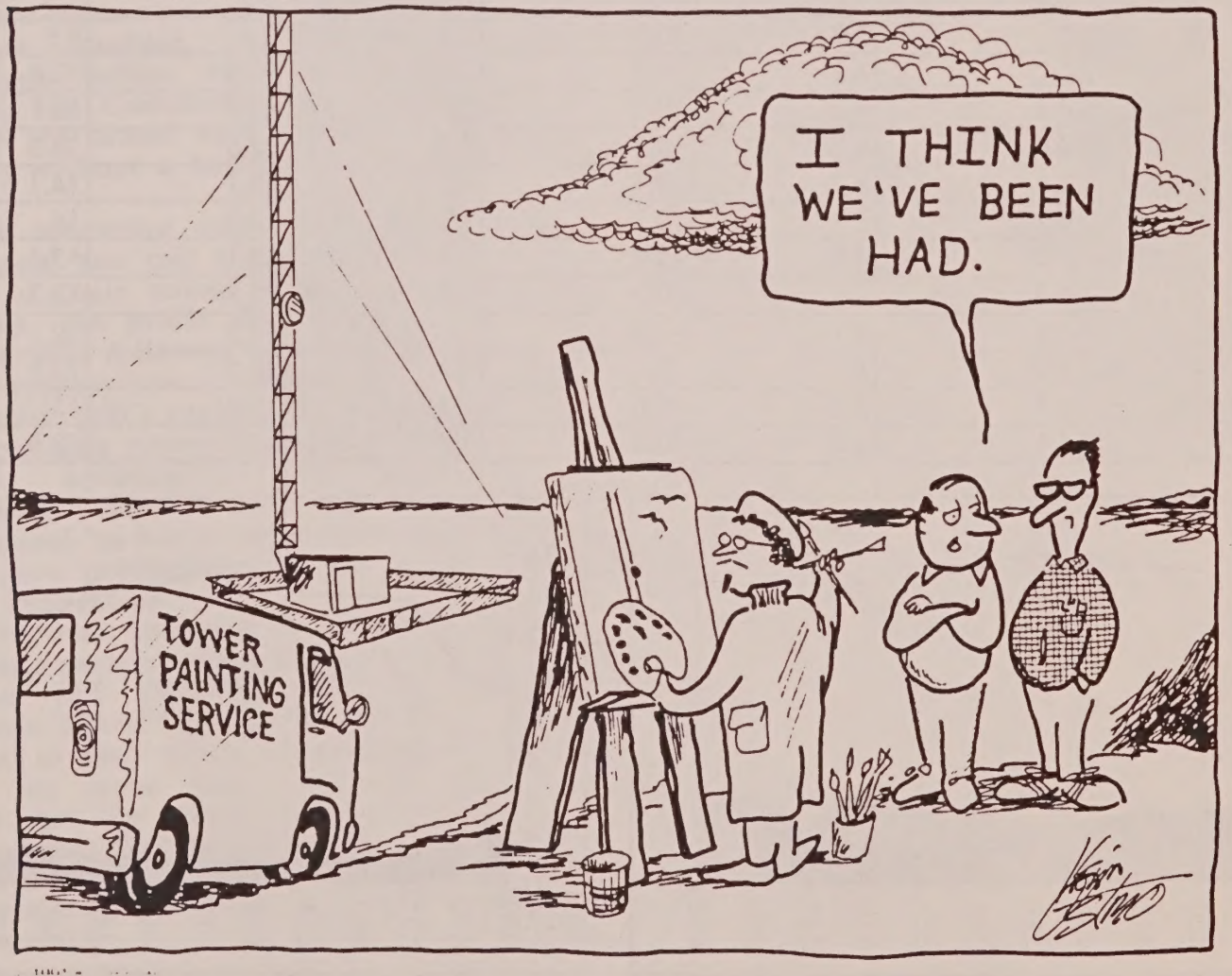
EDITOR'S DESK
Clyde Lee K4EOS

Becky and I have enjoyed doing the newsletter this past year. We have had mostly positive feedback from the members. We have also had some wonderful contributions from the members. What really eats at us is that we know that there are so many wonderful experiences out there that should be shared with the other members. These experiences don't necessarily have to be related to ham radio. If you have another interesting hobby (besides amateur radio), or a favorite charity, or an interesting trip to tell about, we would appreciate hearing about it.

>To those of you who did contribute articles, a big 'thank you'. Please keep them coming.

>To those of you who could have an interesting story, please try to find time to write it up for the newsletter. We need more local input!!

NATE THE ENGINEER



ABELL'S ANECDOTES
By Pike Abell W4EPU

LETTER FROM A LOVING MOTHER TO HER SON:

Dear Son,

I'm writing this slow 'cause I know you can't read fast. We don't live where we did when you left. Your dad read in the paper where most accidents happen within twenty miles of home, so we moved. I won't be able to send you the address as the last family that lived here took the numbers with them for their next house so they wouldn't have to change their address.

This place has a washing machine. The first day, I put four shirts in it, pulled the chain, and haven't seen 'em since. It only rained twice this week. Three days the first time and four days the second time.

The coat you wanted me to send you, Aunt Sue said it would be a little heavy to send in the mail with those heavy buttons, so we cut them off and put them in the pockets.

We got a bill from the funeral home. It said if we didn't make the last payment on grandma's funeral, up she comes.

About your sister . . . she had a baby this morning. I haven't found out if it's a boy or a girl, so I don't know if you are an aunt or an uncle.

Your uncle John fell in the whiskey vat. Some men tried to pull him out, but he playfully fought them off, so he drowned. We cremated him. He burned for three days.

Three of your friends went off the bridge in a pickup. One was driving, the other two were in the back. The driver got out. He rolled down the window and swam to safety. The other two drowned. They couldn't get the tailgate down.

Not much more new at this time. Nothing much has happened.

Love, Mom.

PS: I was going to send money, but when I thought about it, the envelope was already sealed.

THE WORLD'S TWELVE GREATEST LIES

1. I'm with the government, I am here to help you
2. Your check is in the mail, I mailed it yesterday.
3. Really, this is not going to hurt you one bit.
4. What an adorable baby, looks just like you.
5. Don't worry, they cannot make you do that.
6. The doctor will call you right back.
7. Let's stop by Joneses for just one drink.
8. There is absolutely no obligation on your part.
9. We must have lunch soon, I'll call you.
10. Try it, you'll like it.
11. Your part is on order, what was it's part number?
12. So glad you dropped by.

EX WHY ELL TO POLICE DEPARTMENT: Hello. Is this the missing persons bureau? My husband has disappeared. Can you help me find him? He's short, bald, drinks beer, has a ham station, stays up all night, interferes with my TV set all the time, has wires all over the place . . . . . Oh, the heck with him. Just forget I called!

THAT PACKAGE ISN'T FROM YOUR UNCLE "BERTRAM THE BOMBER," IT'S FROM YOUR RICH UNCLE JACK-- HE SAYS "HOPE YOU ENJOY THE NEW YAESU FT1000"

MEMBERSHIP UPDATE

Total Membership: 242 (includes 45 family members & 10 honorary)

New Members: KC4ROZ LEONARD ZBIEGIEN
KE4HOG NANCIE PREVATT
KC4ZHW KARL BUSHONG
K1SKQ FRANCIS MCDERMOTT

Renewals: KB4BHS GLENN LEE
W4CCQ ROBERT DARRAH
AD4CU PAT PATTERSON
W8DGD JIM CAMPBELL
WD4DIR JOHN MESSINA
KD4HNW KEN DENMAN
K4KON BRUCE HOOVER
AC4KU AL SANFORD
KD4ZAH JEWELL SANFORD
KD4RLT WILLIAM MERRILL
KK4SH VINCE GONZALES
KC4VIN JOSE RAMOS
KC4VIO CAROL RAMOS

UPCOMING HAMFESTS

1/15	Ft. Meyers	Shady Oaks Comm.Ctr. Talk-in on 146.880
1/22	Crystal River	Crystal River Armory Talk-in on 146.955
1/22-23	Sarasota	Robards Spts. Arena Talk-in146.910&146.730
1/23	Pinellas Park	61st St. N. Talk-in on 147.060
2/5-6	Miami	Dade Co.Expo Ctr. Talk-in on 146.925
2/12	Pensacola	Bayfront Municipal Aud. Talk-in 146.760&444.925
2/12	Arcadia	Am.Legion Hall on Hwy.70 Talk-in on 147.075
2/19-20	Orlando	Fairgrounds Talk-in on 146.760
2/26	Stuart	FREE-Langford Park Talk-in on 147-060
2/26	Brooksville	Hernando Co.Fairgrnds Talk-in on 146.715

TITUSVILLE AMATEUR RADIO CLUB
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